

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION FOR EASTBOUND MD 586 AND NORTHBOUND LEFT TURN LANES ON MD 97 AT THE INTERSECTION OF MD 97 (GEORGIA AVENUE) AND MD 586 (VEIRS MILL ROAD) IN MONTGOMERY COUNTY, DUE TO THE RESURFACING AND SAFETY IMPROVEMENTS ON MD 97. ALL EXISTING VEHICULAR TRAFFIC SIGNALS WILL REMAIN. MD 97 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE.

CONTROLLER REQUIREMENTS

THE EXISTING BASE MOUNTED CONTROLLER SHALL REMAIN. VIDEO PRESENCE DETECTION IS PROPOSED ON EASTBOUND MD 586 AND THE NORTHBOUND LEFT TURN LANES ON MD 97. THE SHA SIGNAL SHOP WILL INSTALL THE VIDEO DETECTION INTERFACE EQUIPMENT.

PHONE DROP

THE CONTRACTOR SHALL NOTIFY MR. KAMAL HAMUD OF MONTGOMERY COUNTY AT 240-777-8761 FOR THE PHONE DROP LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. HAMUD WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THE CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

Mr. Jeff Wentz
Assistant District Engineer - Traffic
Phone: 301-513-7385

Mr. Augie Robish
Assistant District Engineer - Utility
Phone: 301-513-7350

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: 301-513-7304

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

The Power Company Representative is:
Potomac Electric Power Company
8300 Old Marlboro Pike
Upper Marlboro, Maryland 20772
Phone: 301-961-5325

Mr. Kamal Hamud
Montgomery County Department of Public Works
Phone: 240-777-8761

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

| ITEM NO | QUANTITY | DESCRIPTION |
|---------|----------|--|
| 900000 | 1 EA | VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS |
| 973023 | 9 SF | SHEET ALUMINUM SIGNS: 1 EA - ASSOCIATED SHIELD ASSEMBLY "SOUTH, MD 97, THROUGH ARROW" (24 IN. X 51 IN.) |

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

| ITEM NO | QUANTITY | DESCRIPTION |
|---------|----------|-------------|
|---------|----------|-------------|

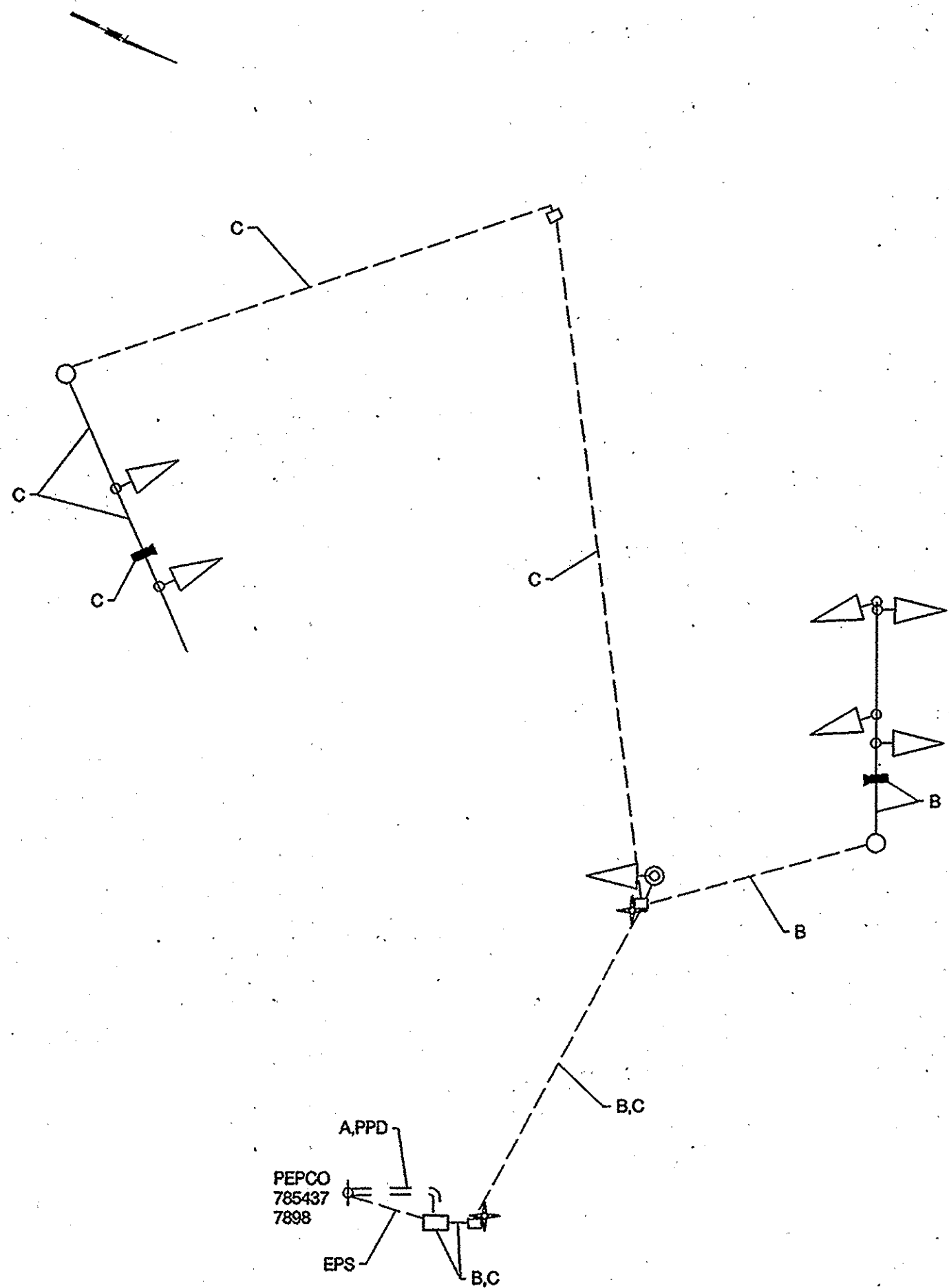
NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

| ITEM NO | QUANTITY | DESCRIPTION |
|---------|----------|--|
| 120500 | 1 LS | MAINTENANCE OF TRAFFIC |
| 585412 | 125 LF | 12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS |
| 585424 | 110 LF | 24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS |
| 802501 | 25 LF | NO. 6 AWG STRANDED BARE COPPER GROUND WIRE |
| 805125 | 25 LF | 2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED |
| 813015 | 9 SF | INSTALL OVERHEAD SIGN |
| 816001 | 2 EA | VIDEO DETECTION CAMERA |
| 816005 | 1 EA | CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER |
| 816010 | 1 EA | CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER |

WIRING DIAGRAM



- A - NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- B - CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
- C - CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
- PPD - PROPOSED TELEPHONE SERVICE TO BE INSTALLED BY OTHERS
- EPS - EXISTING POWER SOURCE
- + - EXISTING GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH.

PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
|--------------------|-------|-------|-------|------|------|------|------|---|
| | 000 | 000 | 000 | 000 | 000 | 000 | 000 | |
| PHASE 2 | / | / | / | G | G | R | R | + |
| PHASE 2 CHANGE | / | / | / | Y | Y | R | R | + |
| PHASE 4 & 8 | / | / | / | R | R | G | G | + |
| PHASE 4 & 8 CHANGE | / | / | / | R | R | Y | Y | + |
| FLASHING OPERATION | FL/RA | FL/RA | FL/RA | FL/Y | FL/Y | FL/R | FL/R | + |



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 97 (GEORGIA AVENUE) AND
MD 586 (VEIRS MILL ROAD)

GENERAL INFORMATION

SCALE NONE DATE 12/2006 CONTRACT NO. MO586S177

DESIGNED BY MCG COUNTY MONTGOMERY
DRAWN BY MCG LOGMILE 15009703.27
CHECKED BY BAB T.I.M.S. NO. H328
F.A.P. NO. TOD NO.

DRAWING NO. TS-213A OF SHEET NO. OF



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